Przemyslaw Wachniew

List of Publications by Year in Descending Order

29 papers	1,250 citations	18 h-index	32 g-index
32 ext. papers	1,469 ext. citations	4.9 avg, IF	3.94 L-index

#	Paper	IF	Citations
29	Unveiling the extreme environmental radioactivity of cryoconite from a Norwegian glacier.. *Science of the Total Environment*, **2021**, 814, 152656	10.2	2
28	An operational methodology for determining relevant DRASTIC factors and their relative weights in the assessment of aquifer vulnerability to contamination. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	5
27	Phosphorus Transport in a Lowland Stream Derived from a Tracer Test with 32P. *Water (Switzerland)*, **2021**, 13, 1030	3	0
26	Urban CO2 Budget: Spatial and Seasonal Variability of CO2 Emissions in Krakow, Poland. *Atmosphere*, **2020**, 11, 629	2.7	4
25	Nitrate leaching losses from two Baltic Sea catchments under scenarios of changes in land use, land management and climate. *Ambio*, **2019**, 48, 1252-1263	6.5	20
24	Spatially differentiated regulation: Can it save the Baltic Sea from excessive N-loads?. *Ambio*, **2019**, 48, 1278-1289	6.5	16
23	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. *Hydrological Sciences Journal*, **2019**, 64, 1141-1158	3.5	259
22	Review and assessment of nitrate reduction in groundwater in the Baltic Sea Basin. *Journal of Hydrology: Regional Studies*, **2017**, 12, 50-68	3.6	33
21	Airborne radionuclides in the proglacial environment as indicators of sources and transfers of soil material. *Journal of Environmental Radioactivity*, **2017**, 178-179, 193-202	2.4	14
20	Determination of the self-attenuation based on the sample composition in gamma-ray spectrometry of Pb: requirements for the scope of chemical analyses. *Journal of Radioanalytical and Nuclear Chemistry*, **2017**, 311, 1511-1516	1.5	4
19	Toward operational methods for the assessment of intrinsic groundwater vulnerability: A review. *Critical Reviews in Environmental Science and Technology*, **2016**, 46, 827-884	11.1	53
18	A decision tree tool supporting the assessment of groundwater vulnerability. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	14
17	Quantification of anthropogenic impact on groundwater-dependent terrestrial ecosystem using geochemical and isotope tools combined with 3-D flow and transport modelling. *Hydrology and Earth System Sciences*, **2015**, 19, 1015-1033	5.5	11
16	Monte Carlo validation of the self-attenuation correction determination with the Cutshall transmission method in Pb measurements by gamma-spectrometry. *Applied Radiation and Isotopes*, **2014**, 87, 387-9	1.7	10
15	Sources and pathways of artificial radionuclides to soils at a High Arctic site. *Environmental Science and Pollution Research*, **2014**, 21, 12479-93	5.1	18
14	Does groundwater protection in Europe require new EU-wide environmental quality standards?. *Frontiers in Chemistry*, **2014**, 2, 32	5	14
13	High-Resolution Age-Depth Model of a Peat Bog in Poland as an Important Basis for Paleoenvironmental Studies. *Radiocarbon*, **2014**, 56, 109-125	4.6	24

12	Groundwater Pollution and Quality Monitoring Approaches at the European Level. *Critical Reviews in Environmental Science and Technology*, **2013**, 43, 323-408	11.1	44
11	Sources and vertical distribution of 137Cs, 238Pu, 239+240Pu and 241Am in peat profiles from southwest Spitsbergen. *Applied Geochemistry*, **2013**, 28, 100-108	3.5	33
10	Groundwater dependent ecosystems. Part I: Hydroecological status and trends. *Environmental Science and Policy*, **2011**, 14, 770-781	6.2	163
9	Natural radioactivity in groundwater--a review. *Isotopes in Environmental and Health Studies*, **2011**, 47, 415-37	1.5	80
8	Oxygen-isotope geothermometers in lacustrine sediments: New insights through combined δ18O analyses of aquatic cellulose, authigenic calcite and biogenic silica in Lake Goł□ central Poland. *Geochimica Et Cosmochimica Acta*, **2010**, 74, 2957-2969	5.5	28
7	Simultaneous Use of Trace Metals, 210Pb and 137Cs in Floodplain Sediments of a Lowland River as Indicators of Anthropogenic Impacts. *Water, Air, and Soil Pollution*, **2010**, 207, 57-71	2.6	23
6	Reach scale and evaluation methods as limitations for transient storage properties in streams and rivers. *Water Resources Research*, **2007**, 43,	5.4	38
5	Isotopic composition of dissolved inorganic carbon in a large polluted river: The Vistula, Poland. *Chemical Geology*, **2006**, 233, 293-308	4.2	66
4	Study of hydraulic parameters in heterogeneous gravel beds: Constructed wetland in Nowa S□pia (Poland). *Journal of Hydrology*, **2006**, 331, 630-642	6	54
3	Emission of the greenhouse gases nitrous oxide and methane from constructed wetlands in europe. *Journal of Environmental Quality*, **2006**, 35, 2360-73	3.4	115
2	Characterisation of 210Pb dated peat core by various X-ray fluorescence techniques. *Science of the Total Environment*, **1998**, 218, 239-248	10.2	27
1	Carbon budget of a mid-latitude, groundwater-controlled lake: Isotopic evidence for the importance of dissolved inorganic carbon recycling. *Geochimica Et Cosmochimica Acta*, **1997**, 61, 2453-2465	5.5	78